ELSEVIER

Nuclear Engineering and Design 153 (1995) 349–351

Nuclear Engineering and Design

Author Index of Volume 153

Ainsworth, R.A., see Hales, R. 153 (1995) 257
Akasaka, M., see Saito, T. 153 (1994) 11
Anzai, H., see Nakata, K. 153 (1994) 35
Aoto, K., R., Komine, F., Ueno, H., Kawasaki and Y., Wada, Creep–fatigue evaluation of normalized and tempered modified 9Cr–1Mo 153 (1994) 97
Araki, Y., see Morimoto, K. 153 (1994) 1
Asada, Y., see Sugiura, T. 153 (1994) 87
Asano, M., see Itatani, M. 153 (1994) 27

Balley, J., D., Bertagnolio, C., Faidy, F., Kappler, M., Kergoat, Y., L'Huby, P., Genette, D., Savoldelli and I., Fournier, New developments in French transient monitoring system: SYSFAC. From the experiments to the industrial process 153 (1995) 145
Barthez, M., see Ensel, C. 153 (1995) 197
Bartonicek, J., W., Zaiss, W., Hienstorfer, H., Kocklemann and F., Schöckle, Monitoring systems and determination of actual fatigue usage 153 (1995) 127
Bertagnolio, D., see Balley, J. 153 (1995) 145
Blumer, U.R., see Jud, E. 153 (1995) 173

Chujo, N., see Itatani, M. 153 (1994) 27
Colas, A., see Ensel, C. 153 (1995) 197
Crua, A., see Jud, E. 153 (1995) 173

De Smet, M., see Guyette, M. 153 (1995) 183
Dittmar, H. and P., Hofstoetter, Experience with the TÜV pipe monitoring system at the Grohnde nuclear power station 153 (1995) 163

Ensel, C., A., Colas and M., Barthez, Stress analysis of a 900 MW pressurizer surge line including stratification effects 153 (1995) 197

Faidy, C., see Balley, J. 153 (1995) 145
Fournier, I., see Balley, J. 153 (1995) 145
Fournier, I. and P., Morilhat, On-line fatigue monitoring and probabilistic assessment of margins 153 (1995) 153
Fujioka, T., see Miura, N. 153 (1994) 57
Fukakura, J., see Itatani, M. 153 (1994) 27

Genette, P., see Balley, J. 153 (1995) 145
Goodall, I.W. and A.M., Goodman, Assessing the defect-free structure 153 (1995) 331
Goodman, A.M., see Goodall, I.W. 153 (1995) 331
Gotoh, N., see Miura, N. 153 (1994) 57
Guyette, M. and M., De Smet, Inverse and direct transfer functions for the fatigue follow-up of piping systems submitted to stratification 153 (1995) 183

Hales, R. and R.A., Ainsworth, Multiaxial creep–fatigue rules 153 (1995) 257
Hattori, S., see Yamauchi, K. 153 (1994) 43
Hayashi, M., see Miura, N. 153 (1994) 57
Hienstorfer, W., see Bartonicek, J. 153 (1995) 127
Hirano, K., see Katahira, F. 153 (1994) 111
Hofstoetter, P., see Dittmar, H. 153 (1995) 163
Hojo, K., see Sakai, K. 153 (1994) 19
Hutin, J.-P., Structural mechanics and nuclear steam supply system maintenance 153 (1995) 121

Ishikawa, A., see Sugiura, T. 153 (1994) 87
Ishiwata, M., see Miura, N. 153 (1994) 57
Isozaki, T., see Shibata, K. 153 (1994) 71
Itatani, M., J., Fukakura, M., Asano, M., Kikuchi and N., Chujo, Fatigue crack growth behavior of weld heat-affected zone of type 304 stainless steel in high temperature water 153 (1994) 27
Iwahashi, Y., see Morimoto, K. 153 (1994) 1
Iwata, K., see Watashi, K. 153 (1995) 319

Jud, E., A., Crua and U.R., Blumer, Experimental investigation of the stratified flow in the horizontal pipework of nuclear reactors 153 (1995) 173

Kaguchi, H., see Yamauchi, M. 153 (1995) 265
Kanazawa, Y., see Saito, T. 153 (1994) 11

Kanazawa, Y., see Maekawa, O. 153 (1995) 135
Kanno, S., see Miura, N. 153 (1994) 57
Kappler, F., see Balley, J. 153 (1995) 145
Kashima, K., see Miura, N. 153 (1994) 57
Katahira, F., K., Hirano, Y., Tanaka, K., Yoshida, M., Kuribayashi and T., Umemoto, Surface melting technique of small diameter stainless steel pipe by means of yttrium aluminium garnet laser 153 (1994) 111
Kato, A., see Sakai, K. 153 (1994) 19
Kawasaki, H., see Aoto, K. 153 (1994) 97
Kergoat, M., see Balley, J. 153 (1995) 145
Kikuchi, M., see Itatani, M. 153 (1994) 27
Kocklemann, H., see Bartonicek, J. 153 (1995) 127
Kohsaka, A., see Shibata, K. 153 (1994) 71
Kokubo, K., see Matsuura, S. 153 (1995) 305
Komine, R., see Aoto, K. 153 (1994) 97
Koto, H., see Yamauchi, M. 153 (1995) 265
Kuniya, J., see Yamauchi, K. 153 (1994) 43
Kuniya, J., see Nakata, K. 153 (1994) 35
Kuribayashi, M., see Katahira, F. 153 (1994) 111
Kurihara, R., see Shibata, K. 153 (1994) 71

Lee, J.M., see Nam, S.W. 153 (1995) 213
Lee, S.C., see Nam, S.W. 153 (1995) 213
L'Huby, Y., see Balley, J. 153 (1995) 145

Maekawa, O., see Saito, T. 153 (1994) 11
Maekawa, O., Y., Kanazawa, Y., Takahashi and M., Tani, Operating data monitoring and fatigue evaluation systems and findings for boiling water reactors in Japan 153 (1995) 135
Matsumura, K., see Saito, T. 153 (1994) 11
Matsuura, S., H., Nakamura, K., Kokubo, S., Ogiso and H., Ohtsubo, Shear–bending buckling analyses of fast breeder reactor main vessels 153 (1995) 305
Miura, N., T., Fujioka, K., Kashima, S., Kanno, M., Hayashi, M., Ishiwata and N., Gotoh, Low cycle fatigue and ductile fracture for Japanese carbon steel piping under dynamic loadings 153 (1994) 57
Molinié, E., see Piques, R. 153 (1995) 223
Morilhat, P., see Fournier, I. 153 (1995) 153
Morimoto, K., K., Satake, Y., Araki, K., Morimura, M., Tanaka, N., Shimizu and Y., Iwahashi, Application of numerical analysis techniques to eddy current testing for steam generator tubes 153 (1994) 1
Morimura, K., see Morimoto, K. 153 (1994) 1

Nakamura, H., see Matsuura, S. 153 (1995) 305
Nakamura, T., see Sugiura, T. 153 (1994) 87
Nakata, K., S., Shimanuki, H., Anzai and J., Kuniya, Intergranular stress corrosion cracking susceptibilityof sensitized type 304 steel in 561 K pure water under γ-ray irradiation 153 (1994) 35
Nam, S.W., S.C., Lee and J.M., Lee, The effect of creep cavitation on the fatigue life under creep–fatigue interaction 153 (1995) 213

Ogata, T., see Takahashi, Y. 153 (1995) 235
Ogiso, S., see Matsuura, S. 153 (1995) 305
Ohno, N. and J., Wang, On modelling of kinematic hardening for ratcheting behaviour 153 (1995) 205
Ohtsubo, H., see Matsuura, S. 153 (1995) 305
Onizawa, K., see Shibata, K. 153 (1994) 71

Pineau, A., see Piques, R. 153 (1995) 223
Piques, R., E., Molinié and A., Pineau, Creep and creep–fatigue cracking behaviour of two structural steels 153 (1995) 223

Saito, T., M., Akasaka, O., Maekawa, Y., Kanazawa, K., Matsumura, Y., Takahashi and H., Uozumi, Design improvement of weld design of the reactor internal circulation pump motor casing to the reactor pressure vessel nozzle 153 (1994) 11
Sakai, K., K., Hojo, A., Kato and R., Umehara, On-line fatigue-monitoring system for nuclear power plant 153 (1994) 19
Satake, K., see Morimoto, K. 153 (1994) 1
Savoldelli, D., see Balley, J. 153 (1995) 145
Schöckle, F., see Bartonicek, J. 153 (1995) 127
Seshadri, R., Inelastic evaluation of mechanical and structural components using the generalized local stress strain method of analysis 153 (1995) 287
Shibata, K., T., Isozaki, S., Ueda, R., Kurihara, K., Onizawa and A., Kohsaka, Results of reliability test program on light water reactor piping 153 (1994) 71
Shimanuki, S., see Nakata, K. 153 (1994) 35
Shimizu, N., see Morimoto, K. 153 (1994) 1
Shindo, T., see Yamauchi, K. 153 (1994) 43
Sugiura, T., A., Ishikawa, T., Nakamura and Y., Asada, Formulation of air environmental effect on creep–fatigue interaction 153 (1995) 87

Takahashi, Y., see Saito, T. 153 (1994) 11
Takahashi, Y., see Maekawa, O. 153 (1995) 135
Takahashi, Y., see Yamauchi, M. 153 (1995) 265
Takahashi, Y., Application of a two-surface plasticity model for thermal ratcheting and failure life estimation in structural model tests 153 (1995) 245
Takahashi, Y., T., Ogata and K., Take, Study on creep–fatigue failure prediction methods for type 304 stainless steel 153 (1995) 235
Take, K., see Takahashi, Y. 153 (1995) 235

Tanaka, M., see Morimoto, K. 153 (1994) 1
Tanaka, Y., see Katahira, F. 153 (1994) 111
Tani, M., see Maekawa, O. 153 (1995) 135

Ueda, S., see Shibata, K. 153 (1994) 71
Ueno, F., see Aoto, K. 153 (1994) 97
Umehara, R., see Sakai, K. 153 (1994) 19
Umemoto, T., see Katahira, F. 153 (1994) 111
Uozumi, H., see Saito, T. 153 (1994) 11

Wada, Y., see Aoto, K. 153 (1994) 97
Wang, J., see Ohno, N. 153 (1995) 205
Watashi, K. and K., Iwata, Thermal buckling and progressive ovalization of pipes: experiences at the TTS sodium test facility and their analysis 153 (1995) 319
Watashi, K., A simplified method for creep–fatigue life prediction for structures subjected to thermal loadings 153 (1995) 275

Yamauchi, K., S., Hattori, T., Shindo and J., Kuniya, Methodology for formulating predictions of stress corrosion cracking life 153 (1994) 43
Yamauchi, M., H., Koto, H., Kaguchi and Y., Takahashi, Evaluation of creep–fatigue design methods by structural failure tests under thermal loads 153 (1995) 265
Yoshida, K., see Katahira, F. 153 (1994) 111

Zaiss, W., see Bartonicek, J. 153 (1995) 127

ELSEVIER

Nuclear Engineering and Design 153 (1995) 353–354

Fusion Engineering and Design

Subject Index of Volume 153

Thermal and fluid design

Experimental investigation of the stratified flow in the horizontal pipework of nuclear reactors, E. Jud, A. Crua and U.R. Blumer 153 (1995) 173

Engineering mechanics

Multiaxial creep–fatigue rules, R. Hales and R.A. Ainsworth 153 (1995) 257

Materials properties

Fatigue crack growth behavior of weld heat-affected zone of type 304 stainless steel in high temperature water, M. Itatani, J. Fukakura, M. Asano, M. Kikuchi and N. Chujo 153 (1994) 27

Intergranular stress corrosion cracking susceptibility of sensitized type 304 steel in 561 K pure water under γ-ray irradiation, K. Nakata, S. Shimanuki, H. Anzai and J. Kuniya 153 (1994) 35

Methodology for formulating predictions of stress corrosion cracking life, K. Yamauchi, S. Hattori, T. Shindo and J. Kuniya 153 (1994) 43

Formulation of air environmental effect on creep–fatigue interaction, T. Sugiura, A. Ishikawa, T. Nakamura and Y. Asada 153 (1994) 87

Creep–fatigue evaluation of normalized and tempered modified 9Cr–1Mo, K. Aoto, R. Komine, F. Ueno, H. Kawasaki and Y. Wada 153 (1994) 97

On modelling of kinematic hardening for ratcheting behaviour, N. Ohno and J. Wang 153 (1995) 205

The effect of creep cavitation on the fatigue life under creep–fatigue interaction, S.W. Nam, S.C. Lee and J.M. Lee 153 (1995) 213

Creep and creep–fatigue cracking behaviour of two structural steels, R. Piques, E. Molinié and A. Pineau 153 (1995) 223

Study on creep–fatigue failure prediction methods for type 304 stainless steel, Y. Takahashi, T. Ogata and K. Take 153 (1995) 235

Application of a two-surface plasticity model for thermal ratcheting and failure life estimation in structural model tests, Y. Takahashi 153 (1995) 245

Multiaxial creep–fatigue rules, R. Hales and R.A. Ainsworth 153 (1995) 257

Evaluation of creep–fatigue design methods by structural failure tests under thermal loads, M. Yamauchi, H. Koto, H. Kaguchi and Y. Takahashi 153 (1995) 265

Thermal buckling and progressive ovalization of pipes: experiences at the TTS sodium test facility and their analysis, K. Watashi and K. Iwata 153 (1995) 319

Mechanical design, component fabrication and testing

Application of numerical analysis techniques to eddy current testing for steam generator tubes, K. Morimoto, K. Satake, Y. Araki, K. Morimura, M. Tanaka, N. Shimizu and Y. Iwahashi 153 (1994) 1

Design improvement of weld design of the reactor internal circulation pump motor casing to the reactor pressure vessel nozzle, T. Saito, M. Akasaka, O. Maekawa, Y. Kanazawa, K. Matsumura, Y. Takahashi and H. Uozumi 153 (1994) 11

On-line fatigue-monitoring system for nuclear power plant, K. Sakai, K. Hojo, A. Kato and R. Umehara 153 (1994) 19

Low-cycle fatigue and ductile fracture for Japanese carbon steel piping under dynamic loadings, N. Miura, T. Fujioka, K. Kashima, S. Kanno, M. Hayashi, M. Ishiwata and N. Gotoh 153 (1994) 57

Results of reliability test program on light water reactor piping, K. Shibata, T. Isozaki, S. Ueda, R. Kurihara, K. Onizawa and A. Kohsaka 153 (1994) 71

Surface melting technique of small diameter stainless steel pipe by means of yttrium aluminium garnet laser, F. Katahira, K. Hirano, Y. Tanaka, K. Yoshida, M. Kuribayashi and T. Umemoto 153 (1994) 111
Inverse and direct transfer functions for the fatigue follow-up of piping systems submitted to stratification, M. Guyette and M. De Smet 153 (1995) 183
Stress analysis of a 900 MW pressurizer surge line including stratification effects, C. Ensel, A. Colas and M. Barthez 153 (1995) 197
Application of a two-surface placticity model for thermal ratcheting and failure life estimation in structural model tests, Y. Takahashi 153 (1995) 245
Evaluation of creep–fatigue design methods by structural failure tests under thermal loads, M. Yamauchi, H. Koto, H. Kaguchi and Y. Takahashi 153 (1995) 265
A simplified method for creep–fatigue life prediction for structures subjected to thermal loadings, K. Watashi 153 (1995) 275
Inelastic evaluation of mechanical and structural components using the generalized local stress strain method of analysis, R. Seshadri 153 (1995) 287
Shear–bending buckling analyses of fast breeder reactor main vessels, S. Matsuura, H. Nakamura, K. Kokubo, S. Ogiso and H. Otsubo 153 (1995) 305
Thermal buckling and progressive ovalization of pipes: experiences at the TTS sodium test facility and their analysis, K. Watashi and K. Iwata 153 (1995) 319

Reactor concepts and systems analysis

Structural mechanics and nuclear steam supply system maintenance, J.-P. Hutin 153 (1995) 121
Monitoring systems and determination of actual fatigue usage, J. Bartonicek, W. Zaiss, W. Hienstorfer, H. Kocklemann and F. Schöckle 153 (1995) 127
Operating data monitoring and fatigue evaluation systems and findings for boiling water reactors in Japan, O. Maekawa, Y. Kanazawa, Y. Takahashi and M. Tani 153 (1995) 135
New developments in French transient monitoring system: SYSFAC. From the experiments to the industrial process, J. Balley, D. Bertagnolio, C. Faidy, F. Kappler, M. Kergoat, Y. L'Huby, P. Genette, D. Savoldelli and I. Fournier 153 (1995) 145
On-line fatigue monitoring and probabilistic assessment of margins, I. Fournier and P. Morilhat 153 (1995) 153
Experience with the TÜV pipe monitoring system at the Grohnde nuclear power station, H. Dittmar and P. Hofstoetter 153 (1995) 163
Assessing the defect-free structure, I.W. Goodall and A.M. Goodman 153 (1995) 331

Nuclear safety

Structural mechanics and nuclear steam supply system maintenance, J.-P. Hutin 153 (1995) 121